

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 13 November 2000 (13.11.00)	
International application No. PCT/EP00/01414	Applicant's or agent's file reference PD990013
International filing date (day/month/year) 21 February 2000 (21.02.00)	Priority date (day/month/year) 03 March 1999 (03.03.99)
Applicant WINTER, Marco et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:

26 September 2000 (26.09.00)

☐ in a notice effecting later election filed with the International Bureau on:2. The election ☒ was☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer F. Baechler
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

9/914683

PCT

From the INTERNATIONAL BUREAU

**NOTIFICATION OF THE RECORDING
 OF A CHANGE**

(PCT Rule 92bis.1 and
 Administrative Instructions, Section 422)

To:

RITTNER, Karsten
 Deutsche Thomson-Brandt GmbH
 European Patent Operations
 Karl-Wiechert-Allee 74
 D-30625 Hannover
 ALLEMAGNE

RECEIVED

JAN 14 2002

Technology Center 2600

Date of mailing (day/month/year) 02 November 2001 (02.11.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference PD990013	
International application No. PCT/EP00/01414	International filing date (day/month/year) 21 February 2000 (21.02.00)

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address

DEUTSCHE THOMSON-BRANDT GMBH
 Hermann-Schwer-Str. 3
 D-78048 Villingen-Schwenningen
 Germany

State of Nationality

DE

State of Residence

DE

Telephone No.

+49 511 418 0

Facsimile No.

+49 511 418 2811

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person ☒ the name ☒ the address ☒ the nationality ☒ the residence

Name and Address

THOMSON LICENSING S.A.
 46 Quai A. Le Gallo
 F-92100 Boulogne-Billancourt
 France

State of Nationality

FR

State of Residence

FR

Telephone No.

+49 511 418 0

Facsimile No.

+49 511 418 2811

Teleprinter No.

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☒ the elected Offices concerned
☐ the International Preliminary Examining Authority ☐ other:

The International Bureau of WIPO
 34, chemin des Colombettes.
 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

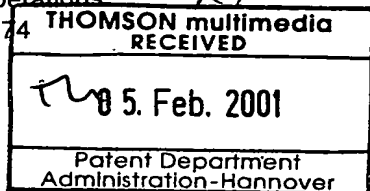
Gabriele BAEHR

Telephone No.: (41-22) 338.83.38

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

RITTNER, Karsten
Deutsche Thomson-Brandt GmbH
European Patent Operations
Karl-Wiechert-Allee 74
D-30625 Hannover
ALLEMAGNE



PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing
(day/month/year) 0 2. 02. 01

Applicant's or agent's file reference
PD990013 ✓

IMPORTANT NOTIFICATION

International application No.
PCT/EP00/01414

International filing date (day/month/year)
21/02/2000

Priority date (day/month/year)
03/03/1999

Applicant
DEUTSCHE THOMSON-BRANDT GMBH

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/



European Patent Office
D-80298 Munich
Tel. +49 89 2399 - 0 Tx: 523656 epmu d
Fax: +49 89 2399 - 4465

Authorized officer

Schießl, W-P

Tel. +49 89 2399-2860



PATENT COOPERATION TREATY

PCT

REC'D 07 FEB 2001

WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PD990013	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP00/01414	International filing date (day/month/year) 21/02/2000	Priority date (day/month/year) 03/03/1999
International Patent Classification (IPC) or national classification and IPC G11B20/10		
Applicant DEUTSCHE THOMSON-BRANDT GMBH		



1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

 These annexes consist of a total of 2 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 26/09/2000	Date of completion of this report 02.02.01
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Sucher, R Telephone No. +49 89 2399 2148 

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/EP00/01414

I. Basis of the report

1. This report has been drawn on the basis of *(substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments (Rules 70.16 and 70.17).):*

Description, pages:

1-8 as originally filed

Claims, No.:

1-7 as received on 20/01/2001 with letter of 16/01/2001

Drawings, sheets:

1/1 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/01414

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	1-7
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-7
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-7
	No:	Claims	

2. Citations and explanations
see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/01414

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following document:

D1: US-A-5 414 686 (IITSUKA HIROYUKI) 9 May 1995.

2. Claim 1 of the present application defines a method for recording real-time files containing real-time data, wherein real-time file attributes describing hardware independent requirements of the real-time files during their transfer for playback are recorded together with the real-time files.

Document D1 discloses a data playback apparatus for reproduction of data from a recording medium in which digital data are serially and successively recorded. The data playback apparatus is equipped with a control unit which controls a reproduction unit for reproducing data from the recording medium. The control unit determines a predetermined condition such as presence or absence of requirement of a real-time data reproduction on the basis of control information which is recorded together with the data in the recording medium.

In contrast to claim 1 which defines specific properties of the file transfer as real-time file attributes (minimum and maximum transfer rate, size of a buffer store), document D1 merely proposes a flag as an attribute of each file so as to indicate either a non-real-time file or real-time file (see col. 13, l. 21-56). None of the prior art documents suggests to record such file attributes to ensure that the real-time properties of the file are preserved during a recording process either. Thus, the subject-matter of claim 1 appears to involve an inventive step in the sense of Article 33(3) PCT.

3. Claims 2-7 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

Re Item VII

Certain defects in the international application

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/EP00/01414

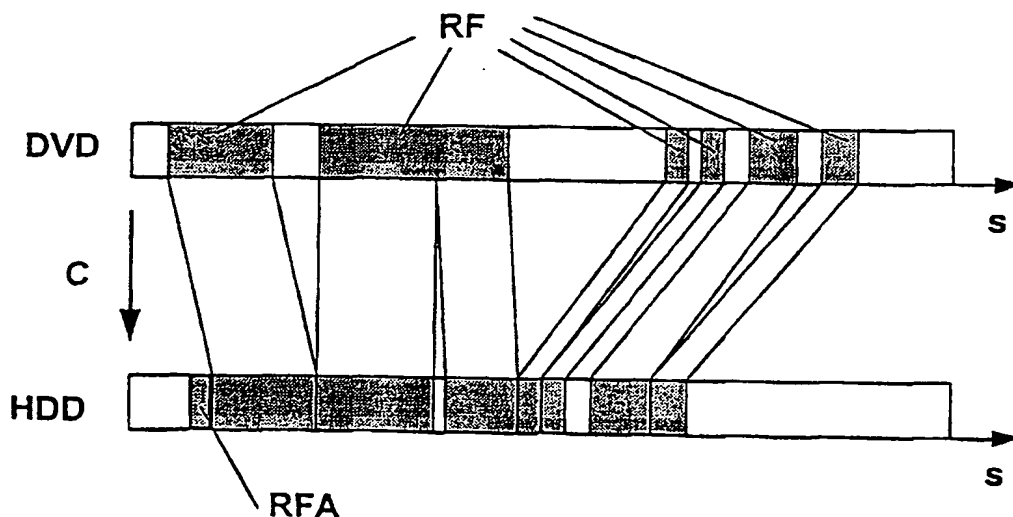
1. Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in document D1 is not mentioned in the description, nor is this document identified therein.



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : G11B 20/10, G06F 3/06		A1	(11) International Publication Number: WO 00/52689
			(43) International Publication Date: 8 September 2000 (08.09.00)
(21) International Application Number: PCT/EP00/01414 (22) International Filing Date: 21 February 2000 (21.02.00) (30) Priority Data: 199 09 367.9 3 March 1999 (03.03.99) DE (71) Applicant (for all designated States except US): DEUTSCHE THOMSON-BRANDT GMBH [DE/DE]; Hermann-Schwer-Str. 3, D-78048 Villingen-Schwenningen (DE). (72) Inventors; and (75) Inventors/Applicants (for US only): WINTER, Marco [DE/DE]; Böhmerstr. 17, D-30173 Hannover (DE). SCHILLER, Harald [DE/DE]; Apfelgarten 11, D-30539 Hannover (DE). (74) Agent: RITTNER, Karsten; Deutsche Thomson-Brandt GmbH, European Patent Operations, Karl-Wiechert-Allee 74, D-30625 Hannover (DE).		(81) Designated States: AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LU, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, ZA, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	

(54) Title: METHOD FOR TRANSFERRING REAL-TIME FILES



(57) Abstract

The recording or reproduction of real-time files (RF) imposes certain requirements on the recording and reproduction means. A DVD-RAM drive, for example, can read and write contiguous sectors rapidly, but requires a relatively long time in the event of jumps to other sectors, with the result that the recorded data should be situated in sectors which are as far as possible contiguous. The invention is based on the object of specifying a method for transferring real-time files in which even after a transfer of a real-time file from a first to a second recording medium, a real-time reproduction of this file is possible. According to the method of the invention, for this purpose real-time file attributes (RFA) which are permanently assigned to a real-time file (RF) and are concomitantly transferred during the transfer of the real-time file are provided for classifying the real-time file, it being possible to utilize the classification to ensure that the real-time properties of the real-time file are preserved during a recording process.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
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BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

Patent Claims

1. Method for transferring real-time files (RF) containing real-time data, characterized in that
5 real-time file attributes (RFA) which are permanently assigned to a real-time file and are concomitantly transferred during the transfer of the real-time file are provided for classifying the real-time file, it being possible to utilize the classification to ensure that the
10 real-time properties of the real-time file are preserved during a recording process.
2. Method according to Claim 1, characterized in that the transfer of the real-time file is followed by a recording or a reproduction of the real-time file.
- 15 3. Method according to Claim 1 or 2, characterized in that at least the following real-time file attributes are provided:
- a) the guaranteed minimum transfer rate during the real-time file transfer (V_0),
 - 20 b) the maximum transfer rate during the real-time file transfer (V_r),
 - c) the size (S_b) of the buffer store,
- and a version number (VER) may be provided as a further real-time file attribute.
- 25 4. Method according to one of the preceding claims, characterized in that the real-time file attributes are combined in a data block and such a data block is assigned to a real-time file.
- 30 5. Method according to Claim 4, characterized in that the data block is stored in UDF as Extended Attribute in a File Entry or in a System Stream assigned to the real-time file.
6. Method according to Claim 4, characterized in that the real-time file is assigned a fixed area in the
35 useful data area for the real-time file attributes.
7. Method according to Claim 6, characterized in that the real-time file attributes are contained in an MPEG private_stream.

REPLACED BY
ART 34 AMDT

New Patent Claims

1. Method for recording real-time files (RF) containing real-time data, wherein real-time file attributes (RFA) are permanently assigned to the real-time files and are concomitantly recorded together with the real-time files, the real-time file attributes (RFA) describing hardware independent real-time requirements of the real-time files (RF) during a real-time file transfer for playback of the real-time files (RF), **characterized** in that at least the following real-time file attributes are provided:
- a) a guaranteed minimum transfer rate (V_o) during the real-time file transfer,
 - b) a maximum transfer rate (V_r) during the real-time file transfer,
 - c) a buffer store size (S_b) used during the real-time file transfer,
- and that rules for recording the real-time files (RF) are derived from the real-time file attributes in order to ensure that the real-time properties of the real-time files are preserved during the recording process.
2. Method according to Claim 1, **characterized** in that for a fragmented recording of the real-time files (RF) the sizes of the file fragments and the distances between the file fragments are chosen in such a way that the real-time file transfer can be performed with the guaranteed minimum transfer rate (V_o) during the entire real-time file transfer without any underflow of the buffer store.
3. Method according to Claim 1 or 2, **characterized** in that a version number (VER) is provided as a further real-time file attribute.
4. Method according to one of the preceding claims, **characterized** in that the real-time file attributes are

combined in a data block and such a data block is assigned to a real-time file.

5. Method according to Claim 4, **characterized** in
5 that the data block is stored in UDF as Extended
Attribute in a File Entry or in a System Stream assigned
to the real-time file.
6. Method according to Claim 4, **characterized** in
10 that the real-time file is assigned a fixed area in the
useful data area for the real-time file attributes.
7. Method according to Claim 6, **characterized** in
that the real-time file attributes are contained in an
15 MPEG private_stream.

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PD990013	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 00/ 01414	International filing date (day/month/year) 21/02/2000	(Earliest) Priority Date (day/month/year) 03/03/1999
Applicant DEUTSCHE THOMSON-BRANDT GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of Invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

2

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/01414

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B20/10 G06F3/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	EP 0 953 977 A (SAMSUNG ELECTRONICS CO LTD) 3 November 1999 (1999-11-03)	1, 2, 4-6
P, A	the whole document	3
X	US 5 414 686 A (IITSUKA HIROYUKI) 9 May 1995 (1995-05-09) column 2, line 18 - line 29 column 5, line 51 - line 56 column 6, line 45 - column 7, line 38 column 11, line 28 - line 35 column 12, line 28 - line 52 column 13, line 22 - line 56 --- -/--	1, 2, 4

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

4 August 2000

Date of mailing of the international search report

21/08/2000

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Ogor, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/01414

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 866 456 A (MATSUSHITA ELECTRONICS CORP) 23 September 1998 (1998-09-23) column 2, line 7 - line 23 column 7, line 54 -column 8, line 55 column 11, line 7 - line 36 column 12, line 44 -column 13, line 7 column 13, line 45 - line 47 column 15, line 7 - line 39 -----	1,2,4-6
A	EP 0 737 975 A (TOKYO SHIBAURA ELECTRIC CO) 16 October 1996 (1996-10-16) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/01414

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0953977	A	03-11-1999	BR 9901410 A	18-01-2000
			CN 1236950 A	01-12-1999
			JP 2000030253 A	28-01-2000
<hr/>				
US 5414686	A	09-05-1995	JP 3228261 A	09-10-1991
			JP 7007579 B	30-01-1995
			JP 3228262 A	09-10-1991
			JP 7007580 B	30-01-1995
			US 5313443 A	17-05-1994
			DE 69118421 D	09-05-1996
			DE 69118421 T	12-09-1996
			EP 0440224 A	07-08-1991
<hr/>				
EP 0866456	A	23-09-1998	CN 1209899 A	03-03-1999
			EP 1018734 A	12-07-2000
			WO 9814938 A	09-04-1998
<hr/>				
EP 0737975	A	16-10-1996	AT 182026 T	15-07-1999
			CA 2173812 A	12-10-1996
			CN 1137147 A	04-12-1996
			DE 69603118 D	12-08-1999
			DE 69603118 T	03-02-2000
			JP 8339637 A	24-12-1996
			JP 2839878 B	16-12-1998
			JP 10031876 A	03-02-1998
			JP 11018054 A	22-01-1999
			JP 2857144 B	10-02-1999
			JP 11075158 A	16-03-1999
			JP 2857145 B	10-02-1999
			JP 11075159 A	16-03-1999
			JP 2857146 B	10-02-1999
			JP 11075160 A	16-03-1999

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